

Chapter 2

Experiments Validate the Spiritual

Evidence for Design

Two well-qualified scientists, Fazale Rana and Hugh Ross, have written an excellent new book titled *Origins of Life*, which presents scientific evidence that intelligence created all things. This argument is called the Theory of Intelligent Design. The truth is that scientific evidence over the last twenty years has shown that purely random interactions of chemicals in the early earth's atmosphere and ocean could not have given rise to even the simplest of life forms (i.e., bacteria and parasites). The conditions of the early earth and outer space even rule out the possibility that functional proteins could have randomly formed in the early earth's ocean (called by scientists the "prebiotic soup"). Thus, if functional proteins could not have formed under those conditions, DNA and RNA could not have formed either. (Although not addressed in this book, Fazal Rana, who has a Ph.D. in biochemistry, has written a groundbreaking new book titled *The Cell's Design*, which documents how the cells in our bodies also attest to having been designed by intelligence.)

One theory that seemed to support non-intelligent design was the idea that under the extreme conditions of the early earth extremophiles were the first life form. (Extremophiles are microbes that can exist in extreme heat, cold, or other conditions.) However, this idea is now contradicted by genetic studies that show the first life to have been mesophiles.¹ Another problem for atheistic evolution is that between 3.9 and 3.8 billion years ago the earth was bombarded so heavily by asteroids and comets that it was inhospitable to life. And since geological evidence shows that life on earth became abundant within just a few million years after the heavy bombardment ended, it shows there was not anywhere near enough time for the evolution of life on earth by purely random means.²

Having just given a brief overview, some of the more detailed arguments in favor of the Theory of Intelligent Design will be presented. Truly, contrary to the claims of atheists, science confirms the idea that intelligence is the origin of all things. In what follows, the conditions on the early earth and in outer space will be examined to see if any of them could have randomly given rise to the ingredients necessary for life.

First off, many of the ingredients necessary for life only form under mutually exclusive conditions. For instance, while the nucleotide bases adenine and guanine need a freezing environment for synthesis, cytosine and uracil need temperatures of 212 °F or more. A more serious problem for the critics of intelligent design though is that the prebiotic compounds synthesized in labs can only be made under conditions that cannot exist in nature. In fact, scientists have not yet figured out how to synthesize many of the prebiotic compounds necessary for life. Also, for some prebiotics, the conditions needed for their formation would have also led to their destruction. New evidence has even shown that transition metals and rare earth elements were present in earth's early ocean. This is a problem because they would have caused a decomposition of the intermediate compounds necessary for life. It is also true that many of the necessary ingredients for the prebiotic soup would have inhibited the formation of various prebiotic compounds.

All the models for life's origin that exclude God's involvement do not work (RNA first, replicator-first, and metabolism-first models). Also, because much of the complex cellular machinery is made of parts that serve no function by themselves, it suggests they were created all at once, since they need all of those parts to operate. This is impossible though without a designer. One part after another could not have evolved randomly over long time periods either, since natural selection only preserves useful changes.^{3 4}

Another reason purely random evolution did not happen is the left-handed nature of nineteen of the twenty amino acids necessary for life and the right-handed nature of two of the sugars necessary for life. (These are chiral molecules, which are mirror images of each other.) In nature, right and left handed amino acids and sugars are produced in about equal amounts (this is called a racemic solution), while laboratory experiments can produce no more than about a 20 percent excess of one hand over the other. The problem, however, is that such a mixture keeps those amino acids and sugars from forming amino acid and nucleotide chains. The amino acids in a protein chain and the pentose sugars in a strand of DNA or RNA must be of the same handedness to function. This single handedness of biological molecules is called homochirality.

Yet there are just two ways to turn a racemic solution into one with more of one chiral form than another. The first is via circularly polarized light. The second, which has no known natural source, is via parity violations in electro weak interactions. The natural sources for circularly polarized light are neutron stars, super-giant stars, and black holes.

But this light from these three natural sources cannot create homochirality either. They can only produce at best an insufficient excess of one hand over another. The first (neutron stars) produce so many x-rays and gamma rays that they would destroy amino acids in a nearby cloud before those amino acids could become homochiral. The other two (super-giant stars and black holes) would destroy such amino acids for similar reasons. So, the same radiation needed to produce an excess of one hand over the other can also destroy both. Also, the amount of dust needed to shield these amino acids from this radiation would also block out the amount of ultraviolet light needed to produce chiral excess.

The fact that the circularly polarized light these types of stars emit is broadband also precludes their forming homochirality, since it is monochromatic circularly polarized light that is needed. However, no natural source for this light has been discovered. And the fact that earth's early atmosphere blocked ultraviolet radiation rules out any kind of terrestrial filtering. It has been proposed that homochirality was not needed to produce the first life forms. This is unlikely though for it introduces the need for even more compounds and evolutionary stages, and the need for these life forms to have become chiral without leaving any evidence of their previous nonchiral state. Another fact that strengthens the design argument is that none of the pentose sugars, amino acids, or nucleobases necessary for life have been detected in outer space despite intense searching since the 1960s.⁵

Another major problem is that not all proteins (sequences of amino acids) have a biological use. Even in 1 billion years, a 10^{-65} chance would exist for one biologically useful protein to form. Scientists have also calculated the probability for a functional form of the protein called cytochrome C to form randomly. The results were a 95 percent chance in a 100 billion trillion years. These facts prove that functional proteins could not have formed in nature by purely random means.⁶

Here is further evidence for design. The first cell membranes were composed of phospholipids in a bilayer structure. The problem here for atheists is that in the lab such bilayers can only occur through careful exploitation of the conditions. Thus it probably would have been

impossible for them to have formed in a prebiotic soup around 3.8 billion years ago. Not only that, even if they could have formed, they would have broken down quickly if a narrow temperature range was not maintained. Also, in the lab and in nature, various forms of these phospholipids that cannot form a cell-like membrane are more easily formed. Not only that, in an aqueous solution containing salt (earth's primordial ocean contained 1.5 to 2 times more salt than our oceans do today), these bilayers decompose. Another reason a randomly formed prebiotic soup probably did not exist is because RNA assembly is hampered in such a saline solution.

The best science shows that life could not have arisen on Mars, Jupiter's frozen moon Europa, via comets, asteroids, or meteorites (due to such things as ultraviolet radiation and the heat of entry into the atmosphere and of impact), or from interstellar dust. This book will not go into detail about these issues, but, for those interested, they can read *Origins of Life*. Moreover, although some prebiotic compounds do come from extraterrestrial sources, the amounts are so extremely small that they would not have helped to develop life by random means, while the higher amount of organic compounds found in meteorites are most likely due to contamination from earth.

It is also unlikely that extraterrestrials seeded the planet. This is because the great interstellar distances would have taken too long to traverse. This is because speeds over about 1 percent of the speed of light would destroy a spaceship. Indeed, extensive radio surveys of all stars similar to our sun within about 155 light years have shown that there are no intelligent signals coming from them. Therefore, extraterrestrial seeding of life would need to have come from beyond these stars. But even advanced life probably cannot traverse such great distances.⁷

So, what scientists originally thought, that a prebiotic soup brewed randomly for about 1 million years and then developed organic compounds and eventually single celled life, is wrong. The evidence has ruled it out. The necessary organic molecules could not have formed randomly, not even through chemical affinity, non-intelligent self-ordering tendencies, on the surface of clay, at deep-sea vents, in the atmosphere, from volcanic emissions, or under any other conceivable environment. In the past, scientists thought the early earth's atmosphere was composed of reducing gases that lab experiments have shown can produce prebiotic compounds. However, scientists now believe the early atmosphere was neutral and composed of nitrogen, carbon dioxide, and water vapor. But such an atmosphere could not have randomly produced prebiotic compounds. The theory that volcanic emissions provided the necessary reducing gases has also been ruled out.^{8 9}

Nonetheless, Stanley Miller and his team have proposed that carbon monoxide in the atmosphere helped to form prebiotics. The problem though is that scientists are unsure whether this gas even existed in earth's early atmosphere. This is because carbon monoxide easily reacts with water vapor to form carbon dioxide. In fact, other tests show that there was not enough ammonia on the early earth for prebiotics to become cellular life.

Also, enough oxygen was present in the early atmosphere and ocean to have inhibited the production of prebiotics. And, ironically, if there were no oxygen in the atmosphere, random prebiotic formation would have still shut down, because, without oxygen, no ozone layer could have existed to shield those prebiotics from the destructive effects of ultraviolet light. Some scientists have claimed that cosmic ray bombardment of earth helped to randomly create the prebiotic soup. But that bombardment was not intense enough to help randomly make such compounds to the degree necessary to outpace their destruction during early earth conditions. The fact that carbon and nitrogen ratios indicate that living organisms produced the oldest carbonaceous deposits suggests there may not have even been a prebiotic soup at all.¹⁰

More Evidence for Design

Next, even more evidence for a Creator will be presented. To begin with, although Darwinian theory predicted gradual evolution over billions of years, the fossil record shows that physical changes in species often occurred quite rapidly. And although some transitional forms have been found, they do not prove that evolution was entirely random.¹¹ This is because transitional forms can be explained as the intervention of a Creator, or as the result of some innate intelligence. In fact, during the Cambrian Explosion, which occurred 543 million years ago, many different types of complex organisms appeared suddenly over less than 2 to 3 million years.¹²

This is significant because it took place without any transitional forms from the simple cellular life, jellyfish, worms, and sponges that preceded it. This is certain because plenty of sedimentary rocks from immediately before the Cambrian Explosion have been found and studied, and they show no such transitional forms. Evolutionists sometimes claim these transitional organisms do not show up because they were too small or because they were soft bodied. But that is false because fossilized soft-bodied organisms have been found from before and during the Cambrian Era, and we have fossils of bacteria from over 3 billion years ago. Single-celled organisms could not have existed alone for billions of years and then suddenly developed randomly into a number of complicated organisms right before and especially during the Cambrian Explosion.¹³

Furthermore, according to Gerald L. Schroeder, statistics show that there has not been anywhere near enough time for random mutations to create modern man from our common ancestor with the ape species, let alone to produce all the complex life we see today. In fact, the evolution of similar organs in different animals (convergent evolution) completely defies random evolution.¹⁴ Yes, things did evolve, but through intelligence.

Also, the incredible fine tuning of the universe is solid evidence for intelligent design. Even minute changes to things like the force of gravity, the electron's charge, the ratio of electron to proton mass, the decay rate of Beryllium, the space energy density, the baryon or nucleon density of the universe, and so on, would make habitable planets impossible. Hugh Ross takes this list out to ninety-three extremely fine tuned aspects of the universe.^{15 16} And he also documents 154 extremely fine tuned aspects of the galaxy-sun-earth-moon system itself.^{17 18}

Some scientists claim that bad designs in nature prove that there was no designer, but such so-called bad designs, upon further investigation, turn out to be quite good. For example, it has been claimed that the human eye is poorly designed. George Ayoub though is a biologist who has shown that any modifications to the human eye would actually decrease its ability to work properly.¹⁹ What about the chaos in nature? Well, it happened because God and intelligences in general had to learn, and thereby, they made many mistakes along the journey from pure oneness to the present day.

What about the famous drawings of animal embryos next to a human embryo depicted in biology textbooks? The human embryos do look surprisingly similar to the animal embryos. This suggests that humans and these animals randomly evolved from a common ancestor. But these are very misleading drawings since photographs reveal obvious differences that prove that the drawings were purposely altered. It is also claimed that even earlier embryonic development of such animals is very similar. That claim is false though since at those earlier stages the embryos are even more dissimilar. And do not forget. Anatomical similarities touted as evidence for evolution could just as easily be due to a common designer.²⁰

Another problem for standard evolutionary theory is the fact that most mutations are harmful. (Only between 1 out of every 10,000 and 1 out of every 10,000,000 are useful.) Due to this and other factors, such as their long gestation cycles and relatively low populations, larger animals are quite likely to go extinct. Without intelligent design, large animals would probably be wiped out by harmful mutations.²¹

Scientific Evidence that Prayer Works

Recent scientific studies show that prayer works, even when directed at bacteria, fungi, yeast, or microelectronic systems.²² Thus, if prayer works, magickal energy is real. The best studies used at least double-blind clinical trials. In one double-blind study, cardiac patients were randomly separated into two groups via a computer. Neither group knew who was being prayed for. The doctors and hospital staff also did not know which group was being prayed for. Before this study began, researchers also made sure that the prayer and placebo groups had no relevant statistical differences. The result was remarkable. This study gave solid evidence that prayer works.²³

In fact, many other studies have confirmed the power of prayer.²⁴ But perhaps because what is prayed for is often not granted by God, and some participants were better at prayer than others (while some subjects were better at receiving prayer than others), some good studies have found no evidence that prayer works. Other studies found no evidence that prayer works because they were poorly designed. A meta-analysis in 2007 by D. R. Hodge of seventeen prayer studies though found evidence that prayer works. Out of the five best of these studies, three found evidence that prayer works.²⁵

Near-Death Experiences

One reason Christians believe the four Gospels is because eyewitnesses wrote them. And yet, most Christians reject the eyewitness accounts of those who have had a near-death experience (NDE), even when the number of eyewitnesses exceeds the number of eyewitness accounts of Jesus found in the Bible. Consider, for instance, the book *Embraced by the Light* by Betty Eadie. Fundamentalist Christians reject this book even though it is an eyewitness account from someone who actually died. It is even similar, although more complicated, to most of the other near-death experiences that have been chronicled by researchers. Many people have seen the other side and have come back to tell us about it. Many of them were even in Jesus' presence or saw him, while others were in the presence of angels and/or loved ones. Truly, there is no contradiction between these accounts and the Bible, but there are contradictions between these accounts and Fundamentalist Christian beliefs.^{26 27}

Near-death experiences help us to understand the Bible and to correct the false interpretations of it that most Fundamentalists still cling to.²⁸ Evidence has been compiled that shows NDEs are real out-of-body experiences and that the spirit realm and its spiritual beings are real.²⁹ Unlike most accounts, which were not recorded immediately after the experience, one study validated NDEs by studying 344 people during the first week after they had died and were resuscitated. Approximately 18 percent of them recalled having an NDE.

EEG studies prove that NDEs are an experience a person has outside of their body. EEG studies have proven that there is no electrical activity in the brain immediately after death and during an NDE. (Certainly, if the near-death experience were simply a hallucination, the EEG

equipment would detect electrical activity.) This is confirmed by recent research that rules out the possibility that near-death experiences happen right before the brain EEG goes flat or that they occur right before the return of consciousness when electrical activity begins again. This is because it has been documented that people can remember what happened in the hospital room they were in and even what was going on outside of it during their NDE and while their EEG reading was flat.³⁰ Thus this is powerful evidence for life after death.

Not only that, it has also been documented that: some individuals who were blind from birth could see while they experienced their NDE; people have come back with miraculous new scientific information or knowledge concerning another's health; some have reported things about the future that later came true; and people have even been in the same NDE together.³¹ It is also interesting to note that people can simultaneously have similar dreams or even be in the same dream together.³²

Now, the truth is that most near-death experiences are pleasant (probably over 80 percent).³³ They also usually involve one or more of the following: a dark tunnel, spiritual guides (e.g., deceased loved ones), moving towards the Light, being in the presence of angels and Jesus or God, a sense of unconditional love, a life review, a sense of judgment (by oneself), and, afterwards, a renewed desire to do good.³⁴ Indeed, both religious and non-religious people have had such pleasant near-death experiences. This shows that a person does not have to know Jesus Christ during their mortal life to be saved. As mentioned, far more near-death experiences have been documented than there are eyewitness accounts of Jesus in the New Testament. These eyewitnesses of the afterlife indicate that Fundamentalist Christians are wrong about God's judgment of non-Christians.³⁵ Not only that, even so-called "Christians" can have a hell-like NDE.³⁶

In the next three paragraphs, the NDE evidence is more detailed. These are cases of people who after their NDE were able to accurately report what had occurred in the emergency room while they were dead.³⁷ In one study, sixty-one people were interviewed who had experienced an NDE, and many of them reported just such an experience. These people reported in great detail what had occurred in the emergency room during their open-heart surgeries. This was in contrast to a control group of cardiac patients who were also interviewed who had not experienced an NDE during their open-heart surgeries. Out of this group, 80 percent of the patients could not describe what would occur if they were watching such a surgery. In fact, none of them came near the accuracy of those who had experienced NDEs.³⁸

Two classic examples of NDEs are the following: The first involved a little girl who met Jesus during her NDE. After her NDE, she described in full detail what had occurred in the emergency room while she was unconscious. She also explained that she met her little brother who had not yet been born. She was told during her NDE that her mother would need her help taking care of him because he would be born with a health problem. She even drew a picture with a red mark on her unborn brother's chest, and sure enough, he was born with an enlarged heart.

The other classic NDE account regards a middle-aged woman named Maria. She explained with exactness what occurred in the emergency room during her NDE, including how the EKG was piling up upon the floor. Another astonishing thing she described was the location of a blue, men's tennis shoe. She said it was on a ledge about four stories up from the ground. And sure enough, when staff searched for it they found it right where Maria said she had seen it. It is astonishing, however, that it was impossible to see the shoe from the ground or from within the hospital.

Dr. Melvin Morse has shown that NDEs are not caused by drugs, sleep deprivation, mental illness, or predisposition to fantasy.³⁹ And although ketamine produces a similar experience, NDEs occur without its use. Besides, all this tells us is that ketamine dissociates consciousness from the physical body so that a person may access the spirit world without having to die.⁴⁰ Research also indicates that ketamine may be present during NDEs naturally to help protect the brain from damage while the heart and breathing are stopped.⁴¹ Researchers have even found the part of the brain involved in near-death experiences. It is the right temporal lobe.⁴² It is interesting to note that the right side of the brain has long been recognized as the more creative and intuitive side, while the left is more logical and scientific.

More Scientific Evidence for the Afterlife

A simple proof that life can continue after death is the fact that the Goddess had no body with complicated chemistry at the beginning of time, and yet She was still conscious. A complex physical body is not needed for us to be conscious either. So, life continues even after the physical body dies. But, aside from near-death experiences, does science give more evidence that life continues after death? The answer is yes.

Scientists who were initially skeptical did experiments that actually help to prove there is an afterlife. In his book *The Afterlife Experiments*, Gary E. Schwartz documents probably the best evidence yet that there is an afterlife. Some of the best mediums in the field contacted the spirits of deceased loved ones of certain people whom they could not see or talk to. This all took place in controlled laboratory conditions. Thus the information they received did not come from communication with those they were reading for. The results were astonishing. Dr. Schwartz, initially skeptical, had to admit that the evidence overwhelmingly indicated that there is life after death and that people can contact those who are dead.

Although Ray Hyman gave a negative review of *The Afterlife Experiments*, Professor Schwartz wrote a fifty-six page response, which adequately defends the scientific evidence for life after death that his book contains.⁴³ Gary Schwartz has a doctorate from Harvard and is a “Professor of psychology, medicine, neurology, psychiatry, and surgery at the University of Arizona . . .” He also worked at Yale University as a professor of psychology and psychiatry.⁴⁴ Thus he is well qualified to do research in this area. In fact, many professionals in similar fields, who have done related studies, have endorsed his book.

Scientific Evidence for Remote Viewing and other Psi Phenomena

There is evidence that, at least until 1995, the CIA and the Pentagon were doing research into what is called remote viewing.⁴⁵ Remote viewing allows a person to see things far away through spiritual sight. It involves selecting a target beforehand that is not known by the viewer. Then, after the viewer explains in detail what he or she saw as the target, the guide reveals what the actual target was. Amazingly, almost every time, the target matches what the experienced viewer sees. A book titled *Best Evidence*, by Michael Schmicker, documents much of the evidence for this and other psychic phenomena.⁴⁶

Here is another example of such evidence: Charles Honorton and Diane Ferrari analyzed remote viewing data from 309 experiments performed from 1935 to 1987 entailing over 2 million individual trials, 50,000 subjects, and sixty-two researchers. The evidence that remote viewing is real was overwhelming: with a 10^{20} to 1 chance that the results were due to chance.

This is the same as taking seventy pennies, tossing them into the air, and finding that every one of them lands tails-up!⁴⁷

And here is another example: Using meta-analysis, Dr. Dean Radin analyzed the findings of 2.6 million dice throwing trials. The results showed that people can psychically influence the dice throwing results. It resulted in 10⁹⁶ to 1 odds against chance.⁴⁸ In fact, thousands of other scientific experiments, under carefully controlled conditions, confirm that psi phenomena are real.⁴⁹ ⁵⁰ For instance, studies prove that sub-atomic particles, atoms, molecules, cells, and organs can communicate with each other at speeds much faster than the speed of light. This is called non-locality.⁵¹ ⁵² These findings will forever change our understanding of nature and humanity.

The Third Eye and DMT?

There is in the brain an important part of the endocrine system that may be involved with seeing spiritual dimensions. It is the pineal gland. This gland is believed to be part of the sixth chakra, which mystics have long associated with the third eye. This has been confirmed. For instance, this gland starts to shrink around the time a person enters puberty, which suggests that it is related to the magickal state of mind we all had as children.⁵³ Also, scientists state that this gland evolved from a primitive light sensitive eye.⁵⁴

The pineal gland can produce the psychedelic compound DMT. This drug causes people to leave their body and then encounter beings and amazing colorful dimensions distinct from those seen during NDEs. Those who have taken DMT say that it produces a very intense and brief psychedelic experience never to be forgotten. There is also evidence that this gland is involved with the sexual high people experience while making love. Moreover, not only is it light sensitive but it also produces melatonin, which is a chemical similar to DMT. The production of melatonin even occurs in a cycle related to dark and light, and excessive amounts of melatonin were found to suppress sexual function (size of gonads, ovaries, etc.).

There is also a brain chemical called serotonin, which is an important precursor to melatonin. And it turns out that serotonin is found at its highest concentrations in the body within this gland. It can even turn serotonin into tryptamine. This can then become DMT. There are even enzymes at very high concentrations within the pineal gland that can turn melatonin, serotonin, and tryptamine into psychedelic compounds. Not only that, the gland can also produce compounds (beta-carbolines) that prolong DMT's effects. In fact, the pineal gland even has LSD receptors upon it.

It is theorized, then, that the cellular security system around the pineal gland prevents the production of DMT. This is certainly a good evolutionary trait since massive release of DMT would cause an animal or human to become easy prey, since one temporarily loses keen awareness of the physical dimension while it acts upon the mind. This suggests that to maintain a sharp focus on the physical dimension we have evolved a chemical barrier that keeps us from seeing spiritual dimensions. This barrier, discussed in Chapter 1, is a wall between this world and the next.

Perhaps when the body releases extreme amounts of stress hormones its anti-DMT security system is breached, which allows the pineal gland to produce massive amounts of DMT. Although the prevailing view of pineal function is that it produces melatonin, melatonin could work just as well if it were produced outside the brain and then released right into the bloodstream. However, the location of the pineal gland in the brain makes perfect sense if it

produces DMT. Surprisingly, the gland is not even composed of brain tissue, and it starts to develop in fetuses at the top of the mouth when gender becomes discernible. There are even nerves that connect the eyes to the pineal gland. This confirms that the gland is part of the third eye.⁵⁵

The light sensitive pineal gland is also involved with the depressive disorder called SAD, which is effected by seasonal changes in daylight.⁵⁶ Because the gland is light sensitive, some have asked whether the extreme seasonal changes in daylight at the Solstices and Equinoxes have any connection to spiritual experiences, since so many religious holidays and rituals happen upon them or near them. Certainly, these four times of the year (the longest day, the shortest day, and the two days with an equal amount of day and night) would have the most dramatic effects upon pineal rhythms. Also, the end date of the Mayan calendar was on the Winter Solstice of December 21, 2012, when the Solstice sun was aligned with the center of the galaxy. Perhaps electromagnetic radiation at that time affected our pineal glands, and therefore, our consciousness, to help shift us towards a golden age.

This is supported by new research. For instance, research shows that the pineal gland is stimulated by long-wavelength light. Changes in the electromagnetic field of one's environment and ultra-sound can stimulate it, as well. One reason electromagnetic fields stimulate it is because a very small amount of magnetite is found in the ethmoid bone near the pineal gland. Jonathan Goldman did research in 1992 that suggests vocal harmonics can also stimulate the pineal gland.

This activation of the pineal gland can open the blockage between brain ventricles and bring both hemispheres into synch. The flow of energy from the first chakra and then up the spine helps to bring this about.⁵⁷ This may be what Pentecostals call the "baptism of the Spirit"—an experience that people of any religion or belief may have. It can be similar to the high caused by certain drugs. Highs on drugs though are usually degenerate. Many people claim that drugs cannot cause true spiritual experiences. However, those who have had both a psychedelic spiritual experience and a purely religious one claim otherwise: as, for instance, extensive LSD research has shown.⁵⁸ Still, because drugs are dangerous, they should be avoided.

Scientific Evidence for Auras and Chakras

New scientific evidence shows that chakras and the human aura exist.⁵⁹ For instance, in the Rolf Study, a psychic named Rosalyn Bruyere described the colors she saw in a person's aura and chakras, while electrodes recorded the frequencies of electromagnetic energy at various parts of the subject's body and head that correlated with chakra and acupuncture points. Dr. Valerie Hunt then monitored this electronic activity with an oscilloscope in a separate room. This study confirmed the traditional colors of the seven chakras. The oscilloscope thus recorded frequencies ranging for the most part from 110 to 1000 hertz. Amazingly, when the psychic described what she saw, the electronic equipment was in agreement. For instance, when she saw a subject's heart chakra open and their aura turn white and expand about two feet from their body, what she saw was confirmed upon the oscilloscope.⁶⁰

More evidence for chakras and the human aura comes from *Hands of Light*. It also documents that people have used their psychic abilities to identify diseases in people, after which their diagnoses were independently confirmed by medical means.⁶¹ It was also documented in more than seventeen hundred experiments that the cells in our bodies have auras, as Dr. Leonard Laskow explains in *Healing with Love*. Dr. Laskow states that science has proven that our cells

can communicate with each other without chemical means, solely through the emission of light!⁶² These discoveries thus have great implications for the idea of telepathy.

Furthermore, scientific experiments have also detected the interaction of two people's auras. One study (supported by many others) done at the Institute of HeartMath used ECG and EEG equipment at the same time to monitor various subjects brain waves and heart rhythm coherence. It was discovered that when one out of two people in the same room had a high level of cardiac coherence the other person's alpha brainwaves in most cases became in sync with that person's ECG signal. The more cardiac coherence a subject had the more likely this synchronization was. However, this synchronization did not occur when a low level of cardiac coherence was detected.⁶³

This research found that stress, frustration, anxiety, and anger are all linked to a low level of cardiac coherence. This erratic heartbeat occurs when the Parasympathetic and Sympathetic Nervous Systems (the two sides of the Autonomic Nervous System or ANS) become desynchronized. This can then cause a person's body to suffer accordingly if the ANS does not get back into sync soon. Emotions like love and kindness lead to synchronization of the ANS and other body systems.⁶⁴ This research suggests that even without the exchange of words we can psychically feel another person's emotions.

Scientific Evidence for Astrology

Many people (including most scientists) believe that astrology is pure superstition. Indeed, the horoscopes in most newspapers are based just upon one's sun-sign; thus, those horoscopes are very ambiguous and inaccurate: for they ignore the many other significant factors in people's birth charts, such as planets, aspects, moon signs, and so on. Still, even without accepting astrology, it can be seen that there are intelligent patterns in the cycles of the planets and stars. This is true because, whether or not they emit astrological energy, there is still good evidence that God uses the cycles of the planets and stars as a sort of Grand Clock to demarcate various events.⁶⁵ Nevertheless, there is also good evidence that the planets and stars do indeed emit magickal energy just as astrologers believe.

Of course, skeptics claim that scientific research disproves astrology, but the studies they cite have been critiqued by others who believe in astrology, and they have shown those studies to be biased, inaccurate, or contrived. People thus need to know the following facts that give strong scientific evidence for astrology.⁶⁶ This shows that magick is real. As you will see, the power of the twelve zodiac signs comes from changes to the earth's magnetic field that are themselves caused by sun-cycles, which are periodic fluctuations in the amount of charged particles and radiation that are emitted from the sun.

In 1984, Dr. A. R. Lieboff and his team, working at the Naval Medical Research Institute at Bethesda, Maryland, were able to prove that magnetic fields can affect the manufacture of DNA in the tissue of fetuses in such a way that caused genetic mutations. Even electromagnetic fields weaker than the earth's magnetic field had noticeable effects.⁶⁷

This research helps to explain the findings of earlier research done by a German psychologist named Johannes Lange. He did research on the relationship between heredity and personality by studying same egg and two egg twins. His study involved twelve pairs of identical twins (same egg) and sixteen pairs of non-identical twins (from two different eggs). He found that the identical twins had the same behavior (in this case crime) at the same time, whereas the non-identical twins did not. It was also found that one out of every ten of the same egg twins' family

members (parents and siblings) had the same behavior, instead of the expected result of one out of every four.

Heredity was thus not the only thing affecting the behavior of these family members. Thus the only other ways their DNA could have been changed are chemically, via magnetic fields, or via electromagnetic energy (gamma rays, microwaves, etc.). The only energy that could have influenced these family members before they were born and account for the findings of this research would be that from sun-cycles, which as stated affect the earth's magnetic field and in turn the DNA of growing fetuses.

Research has shown that this field affects the endocrine glands in humans, fertility cycles, personality, and mood. It was even discovered that the sun emits twelve types of radiation each year, and each type causes changes to the earth's magnetic field, which affect conception and birth. This is solid evidence that the twelve astrological sun-signs are not superstition.⁶⁸

Science also shows that the planets influence personality.⁶⁹ Indeed, research even explains scientifically why opposite signs attract.⁷⁰ Moreover, the twelve main types of sun-cycles come in four minor types, which correspond to the elemental signs of earth, air, fire, and water, as found in Western astrology.⁷¹ Furthermore, there is also support for Chinese astrology, which suggests that it could be synthesized with the astrology of the West.⁷² *The Scientific Basis of Astrology* (1992), written by an astronomer named Percy Seymour, gives even more evidence for astrology.⁷³ The time is near for spiritual truths like astrology to be accepted.

A massive study done by Gunter Sachs, which he documented in his book *The Astrology File* (1999), showed a correlation between sun-signs and human behavior. This study processed millions of data sets for two years with the aid of computers. Most other studies (pro and con) have produced mixed results and have utilized sample sizes that are too small to be reliable. David Cochrane lists rules that should be followed to produce reliable results in astrological studies, but most studies done so far have not followed them.⁷⁴

The evidence is already impressive. More research though that uses much larger sample sizes and that follows the rules listed by Cochrane will be necessary to convince the skeptics. In the future, if entire birth charts were used, instead of just the sun-signs of individual subjects, more remarkable evidence should be found for astrology. Further studies are indeed in progress.⁷⁵ Two more books that give solid evidence for astrology are: *Astrological Research Methods—An I.S.A.R. Anthology* (1995), by Mark Pottenger; and *Psychology of the Planets* (1982), by Françoise Gauquelin. But, before moving on to another subject, a few more astrological studies will be addressed.

Dr. Frank A. Brown, Professor of Biology at Northwestern University, proved that astrological energy (principally from the sun and the moon) affects plants and animals.⁷⁶ In fact, according to some scientists, astrological energy also affects the mood changes of the mentally ill, hemorrhaging, chemical precipitation rates, and menstrual cycles.^{77 78}

Also, Michel Gauquelin, a French psychologist and statistician, did statistical research during the sixties to disprove astrology but instead found support for it. In fact, other researchers have since confirmed what he discovered.⁷⁹ One of his discoveries was that the planets in people's birth charts actually are connected to certain traits, for instance, Mars and athletes, Saturn and scientists, Jupiter and actors, and so on.⁸⁰ The attacks on his work have been answered quite well by other researchers, such as Suitbert Ertel. He has pointed out many studies that have, for no valid reasons, been ignored by anti-astrology scientists.^{81 82}

Although it is claimed that new scientific studies using better technology disprove astrology, other researchers have shown this claim to be incorrect. There is evidence that these newer

studies are just efforts to suppress occultism in general, even if it means manipulating the data and controlling the researchers involved. Indeed, an organization called CSICOP is predominant in making such false attacks.⁸³

Make up your own mind. But look at both sides carefully. History has shown that lying, conspiracy, misuse of power, and bias occurs—and it does not take a majority among the powerful for those involved to achieve their goals. The majority of experts can even be wrong. More evidence is in *Earth Cycles: The Scientific Evidence for Astrology* (2002), by Valerie Vaughan.⁸⁴

Crop Circles

You may have heard of crop circles (circular geometric patterns that mysteriously appear in fields of wheat and other such plants), and if so, you have probably heard that they are hoaxes. Nevertheless, did you know that more than 10,000 crop circles have been reported from the 1970s until now? Most people do not know that they have appeared in twenty-nine different countries, and curiously, some 90 percent of crop circles have occurred in the southern part of England, many around Stonehenge and other such sacred sites.^{85 86} There is even proof that many of them were not man-made.

Some of the most amazing evidences are the following:

In true crop circles the stems of the plant, such as canola and even corn, are bent over without breaking. This shows that hoaxers could not have each used a board to press the stalks as they walked inside of those circles. This is because the stiff stalks would have broken at the base, and this would have left behind proof that the circle was manmade.⁸⁷

Plants inside of circles, unlike those outside, are even mysteriously altered in other ways. For instance, observation under a microscope showed that crops from some circles contained a crystalline structure different than samples from outside of those circles. Also, the DNA of plants from one circle was compared with that of plants outside it, and significant genetic differences were found.⁸⁸ In fact, evidence of a short but intense energy burst (similar to around thirty seconds of microwave radiation) has been found on plant stalks inside of some circles. Seeds from circles have even been planted under scientifically controlled conditions, and they were found to have anomalies, such as significantly faster growth rates than seeds taken from outside of those circles.⁸⁹ Also, some wheat in circles did not have kernels inside of its pods, or had other pod abnormalities, unlike the wheat outside.⁹⁰

Furthermore, the plants in circles are usually weaved together, often with two layers, the top layer spiraling around in the opposite direction to the layer underneath. Some circles even have three or even five such layers, each spiraling in the opposite direction to the one below it! These circles were thus not made by walking around with a board tied to a loop of rope. The hoaxed crop circles though are made that way.⁹¹ No footprints have even been found going into or out of fresh authentic circles. This is true even when the crop circle appeared on a rainy night when it is easy to discern signs of entry.⁹² UFOs and balls of light have even been seen and at least in the case of the balls of light even videotaped above or near crop circles clear back to the late eighties.^{93 94} Could this be from extraterrestrials, the collective unconscious, or the spirit realm? It will be interesting to see what researchers and scientists continue to find out.

Some scientists claim that plasma energy vortices cause crop circles. The ordered form of

crop circles and the messages they communicate though suggest that intelligence causes them, even if through plasma energy vortices.⁹⁵ Most of them were not man-made. This is confirmed by the following examples: In 1996, an amazing thing happened: As a pilot flew over Stonehenge, he reported that he saw nothing unusual. Then, fifteen minutes later, as another pilot flew over the same area, he saw a most beautiful and intricate crop circle, which had formed in a field below during that brief period.⁹⁶ Indeed, people even camped overnight with sensitive equipment to try and catch a circle as it was made. Yet, having detected nothing unusual (no hoaxers were detected with the infrared equipment), the next morning a crop circle was found, having formed mysteriously during the night.⁹⁷

Unfortunately, biased and inaccurate TV programs have led the general public to believe that all crop circles are hoaxes.⁹⁸ One of the most sophisticated of these was filmed in New Zealand, after which it was broadcasted on NBC. Yet it proved nothing: for in the documentary bright lights lit up a field while a circle was made, and the entire area was staked out over a two-and-a-half day period.⁹⁹ This program does not show that all crop circles are hoaxes.

The following is true: No hoaxed crop circle is nearly as intricate or impressive as the elaborate authentic ones. In fact, hoaxes are easy for experts to spot—stalks are bent over and broken and no impressive anomalies (e.g., high electromagnetism) are found. Furthermore, authentic crop circles are slightly elliptical, which is not possible with a rope tied to a center point as hoaxers have demonstrated. Also, in genuine circles electronic equipment often malfunctions. Thus these facts confirm that many crop circles are supernatural phenomena. (For more information on this subject, see *The Crop Circular* online.)

Conclusion

There is hard scientific evidence that God exists. Random interaction of chemicals could not have brought about functional proteins, RNA, DNA, the first cell membranes, extremophiles, bacteria, or parasites. They must have been created by intelligence. Prayer studies show that our prayers influence events. Near-death experiences show that consciousness continues after death. Afterlife experiments confirm that we can communicate with those in the spirit world. Remote viewing shows that we can see things far away in space or even things in the past or future through spiritual sight. Psychic research shows that our thoughts can manipulate matter. The third eye has been shown to be the pineal gland, which causes higher states of consciousness when activated. It has been demonstrated that chakras and the human aura are real. Astrology is supported by science. And crop circles show that some higher intelligence is sending us messages through sacred geometry in crop fields.

These spiritual claims can be tested by future scientific experiments. Thus they are not based on superstition. For instance, future experiments can test whether people can describe what happened in the emergency room, or elsewhere, during their near death experiences. More afterlife experiments like those done by Gary Schwartz can be done, too, by other scientists to see if his results are repeatable. If done properly, such experiments should give absolute proof that God exists.

¹ Fazale Rana and Hugh Ross, *Origins of Life: Biblical and Evolutionary Models Face Off* (Colorado Springs: NavPress, 2004), 171-181.

² Ross, *More Than a Theory*, 138-139

³ Strobel, *The Case for a Creator*, 193-217, 223-241

-
- ⁴ Rana and Ross, *Origins of Life*, 85, 89-90, 95, 109-121, 171-181
- ⁵ *Ibid.*, 123-133
- ⁶ *Ibid.*, 136-141
- ⁷ *Ibid.*, 95-99, 152-158, 184-208
- ⁸ Lee Strobel, *The Case for Faith: A Journalist Investigates the Toughest Objections to Christianity* (Grand Rapids: Zondervan, 2000), 96-112.
- ⁹ Fazale R. Rana and Hugh Ross, "An Inside Report on ISSOL '99: Life From the Heavens? Not This Way..." *Facts for Faith*, issue 1, 2000. Retrieved from: <http://www.reasons.org/resources/apologetics/issol99fromfff.shtml?main> 25 July 2004
- ¹⁰ Fazale and Ross, *Origins of Life*, 99-104
- ¹¹ Gerald L. Schroeder, *The Science of God: The Convergence of Scientific and Biblical Wisdom* (New York: Broadway Books, 1997), 10, 87.
- ¹² Hugh Ross, *Creation as Science: A Testable Model Approach to End the Creation/Evolution Wars* (Colorado Springs: NavPress, 2006), 138-140.
- ¹³ Strobel, *The Case for a Creator*, 43-46
- ¹⁴ Schroeder, *The Science of God*, 98, 101-124
- ¹⁵ Hugh Ross, "Fine-Tuning For Life In The Universe," 2006 August Update, Reasons to Believe, Retrieved from: <http://www.reasons.org/fine-tuning-life-universe> 3 February 2010
- ¹⁶ Ross, *The Creator and the Cosmos*, 154-157
- ¹⁷ Hugh Ross, "Fine-Tuning For Life On Earth," 2004 June Update, Reasons to Believe, Retrieved from: <http://www.reasons.org/fine-tuning-life-earth-june-2004> 3 February 2010
- ¹⁸ Ross, *The Creator and the Cosmos*, 188-193
- ¹⁹ Strobel, *The Case for a Creator*, 43-45, 86-89
- ²⁰ *Ibid.*, 47-54
- ²¹ Hugh Ross, Ph.D., "Summary of Reasons to Believe Testable Creation Model," Reasons to Believe, February 7, 2000, (2000), Retrieved from: <http://www.reasons.org/resources/apologetics/testablecreationsummary.shtml?main> 6 July 2004
- ²² Larry Dossey, "Prayer and Medical Science: A Commentary on the Prayer Study by Harris et al. and a Response to Critics," *Archives of Internal Medicine*, vol. 160, no. 12, June 26, 2000, pp. 1731-1880.
- ²³ Randolph C. Byrd, M.D., "Positive Therapeutic Effects of Intercessory Prayer in a Coronary Care Unit Population," *Southern Medical Journal*, vol. 81, no. 7, July 1988, pp. 826-829.
- ²⁴ Debra Williams, D.D., "Scientific Research of Prayer: Can the Power of Prayer Be Proven?" *PLIM Report*, vol. 8, no. 4, 1999, Theme: Inner Journey, Part 5, Retrieved from: <http://www.plim.org/PrayerDeb.htm> 21 January 2003
- ²⁵ J. Herold Ellenes, *Miracles: God, Science, and Psychology in the Paranormal*, vol. 1, 2, and 3 (Westport: Greenwood Press, 2008), 253, 288-293.
- ²⁶ Kevin Williams, "The NDE and Jesus," Near-Death Experiences and the Afterlife, July 9, 2006, (2007), Retrieved from: <http://www.near-death.com/experiences/research22.html> 16 June 2004
- ²⁷ Kevin Williams, "Christian NDEs and Reincarnation," Near-Death Experiences and the Afterlife, July 10, 2006, (2007), Retrieved from: <http://www.near-death.com/origen.html> 13 March 2004
- ²⁸ Kevin Williams, "Near Death Experiences of Christians," Near-Death Experiences and the Afterlife, July 10, 2006, (2007), Retrieved from: <http://www.near-death.com/origen.html> 22 April 2003
- ²⁹ Kevin Williams, "Scientific Evidence for Survival of Consciousness After Death," Near-Death Experiences and the Afterlife, July 10, 2006, (2007), Retrieved from: <http://www.near-death.com/evidence.html> 13 March 2004
- ³⁰ Calixto Machado and D. Alan Shewmon, (Editors), "About the Continuity of Our Consciousness," by Pim van Lommel, *Brain Death and Disorders of Consciousness*, Advances in Experimental Medicine and Biology, vol. 550 (New York: Plenum Publishers, 2004), pp. 115-132.
- ³¹ Dr. Ken Ring, "Circumstantial evidence for survival of consciousness after death," Near-Death Experiences and the Afterlife, July 10, 2006 (2007), Retrieved from: <http://www.near-death.com/evidence.html>, 21 May 2004
- ³² Jean Campbell, *Group Dreaming: Dreams to the Tenth Power* (Norfolk: Wordminder Press, 2006), e.g., 108.
- ³³ Gracia Fay Ellwood, *The Uttermost Deep: The Challenge of Near-Death Experiences* (New York: Lantern Books, 2001), 91-94.
- ³⁴ *Ibid.*, 16-18
- ³⁵ Ken R. Vincent, *The Golden Thread: God's Promise of Universal Salvation* (Lincoln: iUniverse, 2005), 53-66.
- ³⁶ Ken R. Vincent, *Visions of God: From the Near Death Experience* (Burdett: Larson Publications, 1994), 115-132.

-
- ³⁷ Kevin Williams, "Real events are witnessed far away from their body," *Near-Death Experiences and the Afterlife*, July 9, 2006 (2007), Retrieved from: <http://www.near-death.com/experiences/evidence02.html> 15 March 2004
- ³⁸ Victor Zammit, "Chapter 6: Near Death Experiences (NDEs)," *A Lawyer Presents the Case for the Afterlife: Irrefutable Objective Evidence*, 4th ed., (2006), Retrieved from: <http://www.victorzammit.com/book/4thedition/chapter06.html> 25 October 2007
- ³⁹ Randall Sullivan, "In Search of the Dead Zone," *Rolling Stone Magazine*, issue 947, April 29, 2004, pp. 70-71.
- ⁴⁰ Mark Fox, *Religion, Spirituality, and the Near-Death Experience* (New York: Routledge, 2003), 145-146.
- ⁴¹ Rick Strassman, M.D., *DMT: The Spirit Molecule* (Rochester: Park Street Press, 2001), 326.
- ⁴² Melvin Morse, M.D., "The Right Temporal Lobe and Associated Limbic Lobe Structures as the Biological Interface with an Interconnected Universe," *Into the Light*, Retrieved from: <http://www.melvinmorse.com/e-ftp.htm> 16 June 2004
- ⁴³ Gary E. Schwartz, Ph.D., "How Not to Review Mediumship Research," The University of Arizona, The Veritas Research Program, (2003), Retrieved from: <http://www.enformy.com/Gary-reHymanReview.htm> 14 March 2004
- ⁴⁴ Gary E. Schwartz, Ph.D., *The G.O.D. Experiments: How Science is Discovering God in Everything, Including Us* (New York: Atria Books, 2006), 305.
- ⁴⁵ Dr. Sally Rhine Feather and Michael Schmicker, *The Gift: ESP, the Extraordinary Experiences of Ordinary People* (New York: St. Martin's Press, 2005), 239-240.
- ⁴⁶ Michael Schmicker, *Best Evidence: An Investigative Reporter's Three Year Quest...* (Lincoln: Writers Club Press, 2002)
- ⁴⁷ Russell Targ, *Limitless Mind: A Guide to Remote Viewing and Transformation of Consciousness* (Novato: New World Library, 2004), 84.
- ⁴⁸ Dean Radin, *Entangled Minds: Extrasensory Experiments in a Quantum Reality* (New York: Pocket Books, 2006), 148-153.
- ⁴⁹ *Ibid.*, 81-207
- ⁵⁰ Schwartz, *The G.O.D. Experiments*
- ⁵¹ Lynne McTaggart, *The Field: The Quest for the Secret Force of the Universe* (New York: HarperCollins, 2008), 11, 29, 49, 68, 104, 144.
- ⁵² Ervin Laszlo, *Science and the Akashic Field: An Integral Theory of Everything* (Rochester: Inner Traditions, 2007), 30-34.
- ⁵³ Mark Booth, *The Secret History of the World: As Laid Down by the Secret Societies* (New York: The Overlook Press, 2008), 78-79.
- ⁵⁴ Strassman, *DMT: The Spirit Molecule*, 60
- ⁵⁵ *Ibid.*, 67-85
- ⁵⁶ Daniel G. Amen, M.D., et al., *Healing Anxiety and Depression* (New York: Penguin Group, 2003), 69.
- ⁵⁷ Freddy Silva, *Secrets in the Fields: the Science and Mysticism of Crop Circles* (Charlottesville: Hampton Roads, Inc., 2002), 225-226
- ⁵⁸ Stanislav Grof, M.D., *LSD: Doorway to the Numinous* (Rochester: Park Street Press, 1975, 2009)
- ⁵⁹ Primrose Cooper, *The Healing Power of Light: A Comprehensive Guide to the Healing and Transformative Powers of Light* (York Beach: Weiser Books, Inc., 2001), See particularly pp. 41-58, 136-139.
- ⁶⁰ Rosalyn L. Bruyere, *Wheels of Light* (New York: Simon and Schuster, 1994), 179-188, 219-233.
- ⁶¹ Barbara Ann Brennan, *Hands of Light: A Guide to Healing Through the Human Energy Field* (Bantam Books: New York, 1987), 31-35.
- ⁶² James Redfield, et al., *The Celestine Prophecy: an Experiential Guide* (New York: Warner Books, 1995), 68.
- ⁶³ Institute of HeartMath Research Staff, "Chapter 4: Head-Heart Interactions," *Science of the Heart* (Boulder Creek: Institute of HeartMath, 2001), Retrieved from: http://www.heartmath.org/research/science-of-the-heart/soh_25.html 28 June 2003
- ⁶⁴ Cass, M.D., *Natural Highs*, 244-245
- ⁶⁵ John P. Pratt, "Celestial Witnesses of Christ Breaking the Bands of Death," *Meridian Magazine*, October 1, 2001, Retrieved from: http://www.meridianmagazine.com/sci_rel/010426bands.html 1 October 2007
- ⁶⁶ Maurice Cotterell, *The Tutankhamun Prophecies: The Sacred Secret of the Maya, Egyptians, and Freemasons* (Rochester: Bear & Company, 2001), 244-314.
- ⁶⁷ *Ibid.*, 246
- ⁶⁸ *Ibid.*, 290-291
- ⁶⁹ *Ibid.*, 308-310
- ⁷⁰ *Ibid.*, 292-300

-
- ⁷¹ Ibid., 288-289
- ⁷² Ibid., 301-306
- ⁷³ Bronwyn Elko, "The Magus of Magnetism: An Interview With Dr. Percy Seymour," *The Mountain Astrologer*, issue 80, August/September 1998, Retrieved from: <http://www.tmgnow.com/repository/solar/percyseymour1.html> 16 June 2004
- ⁷⁴ David Cochrane, "Towards a Proof of Astrology: An AstroSignature for Mathematical Ability," *International Astrologer ISAR Journal*, vol. 33, no. 2, Winter-Spring 2005, Retrieved from: <http://www.patterns.com/Proveast.htm> 18 March 2004
- ⁷⁵ See: *Astrology Research Journal*, Retrieved from: <http://www.astrologyresearchjournal.org/aboutus.htm> 17 March 2004
- ⁷⁶ Stephen Arroyo, *Astrology, Psychology, and the Four Elements: An Energy Approach to Astrology and Its Use in the Counseling Arts* (Sebastopol: CRC Publications, 1975), 173.
- ⁷⁷ David Williams, *Financial Astrology* (Tempe: American Federation of Astrologers, Inc., 2004), 60-61.
- ⁷⁸ A. T. Mann, *The Round Art of Astrology: An Illustrated Guide to Theory and Practice* (London: Vega Books, 2003), 42-46.
- ⁷⁹ Suitbert Ertel and Kenneth Irving, *The Tenacious Mars Effect* (London: Urania Trust, 1996)
- ⁸⁰ Michel Gauquelin, *The Scientific Basis of Astrology* (New York: Stein and Day, 1970); *Cosmic Influences on Human Behavior* (New York: Stein and Day, 1973)
- ⁸¹ Suitbert Ertel, "Gauquelin planetary effects – brought down to earth? On Geoffrey Dean's outmaneuvering stubborn facts," Retrieved from: <http://finblake.home.mindspring.com/UranBeacon.htm> 19 March 2004
- ⁸² Suitbert Ertel, "Hopeful findings, unduly neglected, on stars and human affairs," *Australian Journal of Parapsychology*, vol. 7, no. 1, 2007, pp. 52-71.
- ⁸³ Suitbert Ertel and Kenneth Irving, "The Mars Effect is Genuine: On Kurtz, Nienhuys, and Sandhu's Missing the Evidence," *Journal of Scientific Exploration*, vol. 14, no. 3, 2000, pp. 421-430.
- ⁸⁴ Valerie Vaughn, *Earth Cycles: The Scientific Evidence for Astrology* (Amherst: One Reed Publications, 2002)
- ⁸⁵ Freddy Silva, "So it's all done with planks and bits of string, is it?" *The Crop Circular*, Retrieved from: <http://www.cropcirclesecrets.org/education.html> 4 May 2008
- ⁸⁶ Silva, *Secrets in the Fields*, xiv
- ⁸⁷ Ibid., 41-43
- ⁸⁸ Ibid., 19, 134
- ⁸⁹ Ibid., 135-136
- ⁹⁰ Nancy Talbott, "Plant Abnormalities," BLT Research Team, Inc., Cambridge, MA, Retrieved from: <http://www.bltresearch.com/plantab.html> 21 November 2004
- ⁹¹ Silva, *Secrets in the Fields*, 45-46
- ⁹² Nancy Talbott, Guro K. Parvanova, Freddy Silva, et al., "Media Frauds on Crop Circles," *The Crop Circular*, Retrieved from: <http://home.clara.net/lovely/frauds.html>, 27 February 2003
- ⁹³ Mark Fussell and Stuart Dike, "Question 26," *The Crop Circle Connector*, Retrieved from: <http://www.cropcircleconnector.com/anasazi/faq98.html#QUESTION26>, 28 February 2003
- ⁹⁴ Mark Fussell and Stuart Dike, "Introduction," *The Crop Circle Connector*, Retrieved from: <http://www.cropcircleconnector.com/anasazi/introduction98.html>, 28 February 2003
- ⁹⁵ Silva, *Secrets in the Fields*, 135-137
- ⁹⁶ Silva, "So it's all done with planks and bits of string, is it?"
- ⁹⁷ Freddy Silva, "A Brief Education on Crop Circles," *The Crop Circular*, Retrieved from: <http://www.ufoevidence.org/documents/doc216.htm> 13 July 2007
- ⁹⁸ These TV documentaries are debunked on the "Media and Skeptics' Frauds on Crop Circles" Page, Retrieved from: <http://www.cropcirclesecrets.org/frauds.html> 7 March 2008
- ⁹⁹ Freddy Silva, "NBC to Lead New Wave of Crop Circles Debunking," *The Crop Circular*, (1998), Retrieved from: http://www.lovely.clara.net/crophoax_debrief.html 12 March 2004